

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION 48VDC



Product designation			Power contactor
Product type designation			B115
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	160
Operational current le			
	AC-1 (≤40°C)	Α	160
	AC-1 (≤55°C)	Α	150
	AC-1 (≤70°C)	Α	110
	AC-3 (≤440V ≤55°C)	Α	110
	AC-4 (400V)	Α	47
Rated operational power AC-3 (T≤55°C)			
	400V	kW	61
Rated operational power AC-1 (T≤40°C)			
	230V	kW	57
	400V	kW	98
	500V	kW	129
	690V	kW	173
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series			
	75V	Α	160
	110V	Α	100
	220V	Α	_
	330V	Α	_
	460V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series			
	75V	Α	160
	110V	Α	130
	220V	Α	100
	330V	Α	_
	460V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series			
	75V	Α	160
	110V	Α	130
	220V	Α	130
	330V	Α	100
	460V	Α	_
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	75V	Α	160
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series	75V 110V 220V	A A A	160 130 130

Lovato

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION 48VDC

	330V	Α	130
	460V	Α	100
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	75V	Α	140
	110V	Α	70
	220V	Α	_
	330V	Α	_
	460V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series			
	75V	Α	140
	110V	Α	100
	220V	Α	80
	330V	Α	_
	460V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series			
·	75V	Α	140
	110V	Α	120
	220V	Α	100
	330V	Α	80
	460V	Α	_
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series			
120 max sament is in 200 200 mai 2m = rome mai i polos in sonos	75V	Α	140
	110V	Α	120
	220V	Α	120
	330V	Α	120
	460V	A	80
Short-time allowable current for 10s (IEC/EN60947-1)	100 (1100
Protection fuse			1100
1 Totalion Tuse	gG (IEC)	Α	200
	aM (IEC)	A	125
Making capacity (RMS value)	aivi (ILO)	A	1300
Breaking capacity at voltage			1300
breaking capacity at voltage	440V	Α	1300
	500V	A	1100
Desistance manufacture and the second	690V	A	880
Resistance per pole (average value)		mΩ	0.3
Power dissipation per pole (average value)	1.1		
	Ith	W	7.7
	AC-3	W	4
Tightening torque for terminals			
	min	Nm	10
	max	Nm	10
	min	lbin	7.4
	max	Ibin	7.4
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			
	max		2/0
Power terminal protection according to IEC/EN 60529			IP00
Mechanical features			
Mechanical features Operating position	normal		Vertical plan

Lovato

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION 48VDC

Fixing			Screw
Weight		g	6
Conductor section			
AWG/kcmil conductor section			
	max		2/0
Operations			
Mechanical life		cycles	10000000
Electrical life		cycles	1100000
Safety related data			
Performance level B10d according to EN/ISO 13489-1	rated load	ovoloo	1100000
	mechanical load	cycles cycles	1000000
Mirror contats according to IEC/EN 609474-4-1	THECHAINCAI IOAU	Cycles	yes
EMC compatibility			yes
AC coil operating			you
Rated AC voltage at 50/60Hz, 60Hz			
, i.e.	min	V	110
	max	V	125
AC operating voltage			
of 50/60Hz coil powered at 50Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out	_		
	min	%Us	20
- (50/00LL '' L - (00LL	max	%Us	60
of 50/60Hz coil powered at 60Hz			
pick-up	min	%Us	80
	max	%Us	110
drop-out	max	7000	110
and the same of th	min	%Us	20
	max	%Us	60
of 60Hz coil powered at 60Hz			
pick-up			
	min	%Us	80
	max	%Us	110
drop-out		0	
	min	%Us	20
AO	max	%Us	60
AC average coil consumption at 20°C			
of 50/60Hz coil powered at 50Hz	in-rush	VA	300
	holding	VA VA	10
of 50/60Hz coil powered at 60Hz	noiding	٧٨	. 0
01 00/00112 0011 powerou at 00112	in-rush	VA	300
	holding	VA	10
	Holuliu		
Dissipation at holding ≤20°C 50Hz	Holding	W	10
Dissipation at holding ≤20°C 50Hz DC coil operating	noung	W	10
	Holding	W	10
DC coil operating	min	V	110

Lovato

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH

ENERGY AND AUTOMATION WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH (B495), 110...125VAC/DC, MEC

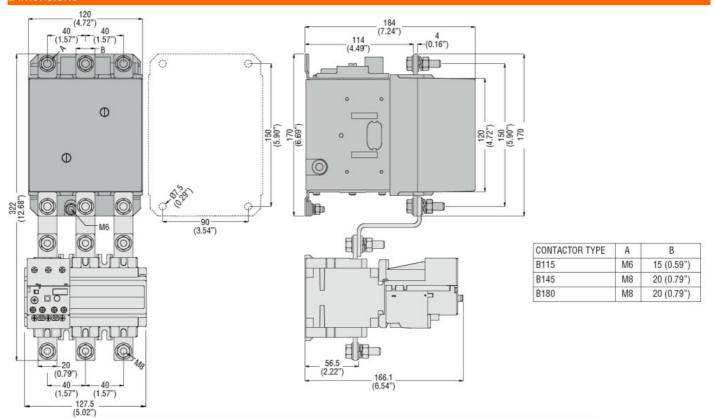
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out		0/11-	00
		min	%Us	20
Average sell consument	ion <20°C	max	%Us	60
Average coil consumpt	ion \$20 C	in runh	۱۸/	200
		in-rush	W W	300 10
Max cycles frequency		holding	VV	10
Mechanical operation			cycles/h	2400
Operating times			Oyoloo/11	2400
Average time for Us co	ntrol			
7 Wordgo amo for Go oo	in AC			
	Closing NO			
	2 2 3	min	ms	60
		max	ms	100
	Opening NO			
		min	ms	25
		max	ms	60
	in DC			
	Closing NO			
		min	ms	60
		max	ms	100
	Opening NO			
		min	ms	25
		max	ms	60
UL technical data	for the sound on the sound of			
Full-load current (FLA)	for three-phase AC motor	-1.4001/	Δ.	0.0
		at 480V	A	96
Violded machanical na	rformonoo	at 600V	Α	99
Yielded mechanical per				
	for three-phase AC motor	200/208V	HP	30
		220/230V	HP	40
		575/600V	HP	100
General USE		310,000 1		
23.13.4. 332	Contactor			
		AC current	Α	160
Short-circuit protection	fuse, 600V	2 233		
,	Standard fault			
		Short circuit current	kA	5
		Fuse rating	Α	500
		Fuse class		RK5
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Resistance & Protectio	n			



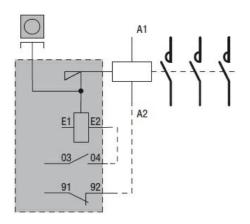
THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH **ENERGY AND AUTOMATION** 48VDC

Pollution degree 3

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1 CSA C22.2 n° 60947-4-1

IEC/EN 60947-1

IEC/EN 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

EAC

TIM classification



THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 110A, AC/DC COIL, **electric** ALREADY FITTED WITH MECHANICAL LATCH (G495), 110...125VAC/DC, MECHANICAL LATCH **ENERGY AND AUTOMATION** 48VDC

ETIM 8.0

EC000066 -Power contactor, AC switching